

Nick's Garnet Surprise

By Nick Fabri

Angles for R.I. = 1.760

65 + 16 girdles = 81 facets

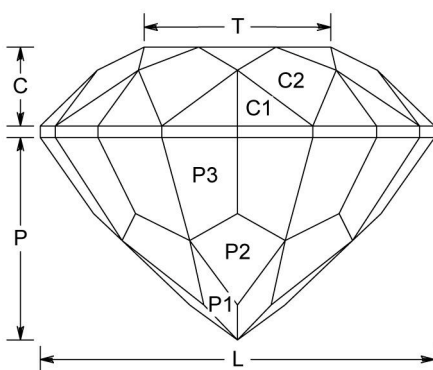
8-fold, mirror-image symmetry

96 index

L/W = 1.000 T/W = 0.474 U/W = 0.474

P/W = 0.513 C/W = 0.200

Vol./W³ = 0.277

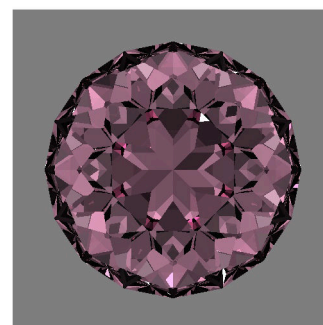
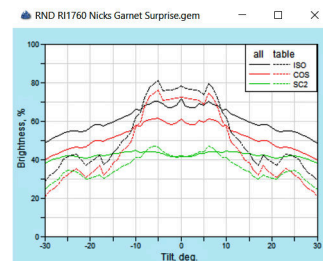


PAVILION

P1	38.50°	06-18-30-42-54-66-78-90	Cut to CP
P2	43.51°	96-12-24-36-48-60-72-84	No meet. Cut to design
P3	55.48°	03-09-15-21-27-33-39-45-51-57-63-69-75-81-87-93	Meet P1,P2
P4	90.00°	03-09-15-21-27-33-39-45-51-57-63-69-75-81-87-93	No meet. Adjustable to depth of rough

CROWN

C1	44.80°	03-09-15-21-27-33-39-45-51-57-63-69-75-81-87-93	Cut to meet girdle
C2	39.39°	06-18-30-42-54-66-78-90	Cut to meet girdle
C3	26.45°	96-12-24-36-48-60-72-84	Meet C1,C2
T	0.00°	Table	Meet C2,C3



This is a SRB variation that's easy to cut. It has a depth adjustable (floating) pavilion which allows the cutter to adjust for weight, without greatly affecting performance. Angles have been selected for light colored garnet after running it through Gemray.